

Application No.: Not Yet Assigned

Docket No.: 21046-00050-US1

remarks

In view of the above amendment, applicant believes the pending application is in condition for allowance.

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Respectfully submitted,

By 

George R. Pettit

Registration No.: 27,369
CONNOLLY BOVE LODGE & HUTZ LLP
1990 M Street, N.W., Suite 800
Washington, DC 20036-3425
(202) 331-7111
(202) 293-6229 (Fax)
Attorney for Applicant

CLAIMS

1. An apparatus comprising a body having a bottom face and comprising an outlet flow path in which is mounted thrust means to direct, in use, a wash of water downwards towards an area of sea or river bed or the like, orientation means to connect said apparatus, in use, to a support means to orientate said apparatus with respect to the sea or river bed, and at least one inlet flow path through which water is supplied, in use, to the thrust means; characterised in that the inlet flow path and outlet flow path are provided with respective openings in the bottom face of the body; in that at least a portion of the outlet flow path comprises a duct; and in that the thrust means comprises a propeller mounted within the duct.
2. An apparatus as claimed in Claim 1 wherein the inlet and outlet flow paths are parallel, but of opposite directions.
3. An apparatus as claimed in Claim 1 or Claim 2 wherein the duct is formed with an outlet in the undersurface of a central section of the body.
4. An apparatus as claimed in any one of claims 1 to 3 wherein an adjustable flow regulator is provided adjacent the inlet of the inlet flow path.
5. An apparatus as claimed in Claim 4 wherein the flow regulator comprises a louvre assembly.
6. An apparatus as claimed in any one of claims 1 to 5 wherein the body is in the form of a wing having an angled face at at least one of the leading and trailing edges thereof.

7. An apparatus as claimed in any preceding claim wherein the ducted propeller creates a swirling flow comprising embedded vortical flow elements.
8. An apparatus as claimed in any preceding claim wherein the propeller is
5 driven by an hydraulic motor.
9. An apparatus as claimed in any preceding claim wherein the duct has a length of about $2/3$ the depth of the apparatus body.
10. An apparatus as claimed in any preceding claim wherein the duct has an inlet
10 and an outlet and the inlet is formed with a bellmouth.